ELECTRICAL CHARACTERISTICS (con't)

Characteristics		Symbol	Min.	Max.	Unit
ON CHARACTERISTICS [3]					
Forward-Current Transfer Ratio					
I_C = 0.1 mAdc, V_{CE} = 10 Vdc	2N3485A	h_{FE}	40		
	2N3486A		75		
I_C = 1.0 mAdc, V_{CE} = 10 Vdc	2N3485A		40		
	2N3486A		100		
I_C = 10 mAdc, V_{CE} = 10 Vdc	2N3485A		40		
	2N3486A		100		
I_C = 150 mAdc, V_{CE} = 10 Vdc	2N3485A		40	120	
	2N3486A		100	300	
I_C = 500 mAdc, V_{CE} = 10 Vdc	2N3485A		40		
	2N3486A		50		
Collector-Emitter Saturation Voltage					
I_C = 150 mAdc, I_B = 15 mAdc		$V_{CE(sat)}$		0.4	Vdc
I_C = 500 mAdc, I_B = 50 mAdc				1.6	
Base-Emitter Saturation Voltage					
I_C = 150 mAdc, I_B = 15 mAdc		$V_{BE(sat)}$		1.3	Vdc
I_C = 500 mAdc, I_B = 50 mAdc				2.6	
DYNAMIC CHARACTERISTICS					
Small-Signal Forward Current Transfer Ratio					
I_C = 1.0 mAdc, V_{CE} = 10 Vdc, f = 1.0 kHz	2N3485A	^{h}fe	40		
	2N3486A		100		
Magnitude of Small-Signal Forward Current Transfer Ratio		$\lvert ^{h}fe \rvert$	2.0	10	
I_C = 50 mAdc, V_{CE} = 20 Vdc, f = 100 MHz					
Output Capacitance		C_{obo}		8.0	pF
V_{CB} = 10 Vdc, I_E = 0, 100 kHz ≤ f ≤ 1.0 MHz					
Input Capacitance		C_{ibo}		30	pF
V_{EB} = 2.0 Vdc, I_C = 0, 100 kHz ≤ f ≤ 1.0 MHz					

(3) Pulse Test: Pulse Width = 300μs, Duty Cycle ≤ 2.0%.